



**Whiteriver**

composite for living

# ULTRASHIELD CONTEMPORARY WALNUT

## COMPOSITE CLADDING TECHNICAL DATASHEET

COMPOSITE CLADDING COLLECTION

196.5 X 25 X 2700MM

196.5 X 25 X 3600MM

PRODUCT DESIGN	INFORMATION
Board Size / Product Code	196.5 x 25 x 2700mm / K1642006
Board Size / Product Code	196.5 x 25 x 3600mm / K1642001
Board Coverage	0.5m <sup>2</sup> - 2700mm length / 0.67m <sup>2</sup> - 3600mm length
Range	Ultrashield Contemporary Cladding - UH58
Manufactured Composition	60% wood, 30% HDPE, 10% additives and pigments
Lengths per pallet	80 Lengths
Guarantee	25 year residential warranty according to terms
Installation	As per installation instructions on <a href="http://www.wrg.ie/installation-instructions">www.wrg.ie/installation-instructions</a>
Board Length	2700mm (+/- 8mm) / 3600mm (+/- 10mm)
Board Width	196.5mm (+/- 2.5mm)
Board Thickness	25mm (+/- 0.5mm)
Joist spacing	500mm

TEST ITEMS	REQUIREMENTS / STANDARDS	RESULT
Brinell Hardness	EN 15534	8.2N/mm <sup>2</sup>
Moisture Content	EN 15534 EN 322	0.83%
Fire Resistance	EN 13501-1:2018	Rating Class E
Resistance to Artificial Weathering	EN15534 ISO4892 - 2	After 2000h Exposure $\Delta E^* = 1.09$ Grey Scale = 4.5
Thermal Conductivity	CE (EN14041(2004))	0.19738 [(m <sup>2</sup> * K)/W]
Resistance to Scratch	ISO4586-2	Rate 2
Resistance to Indentation	EN 15534-1: 2014 Section 7.5 EN 15534-4 :2014 Section 4.5.7	Apply 2000N load, Brinell hardness: 60 MPA Rate of elastic recovery: 64%
Neutral Salt Spray Test	EN 15534-1 ISO 9227	Exposure Time (h) = 96 $\Delta E^* = 1.42$ Grey Scale = 4

TEST ITEMS	REQUIREMENTS / STANDARDS	RESULT
Swelling and Water Absorption (28 Days Immersion)	EN 15534 - 1: 2014 Section 8.3.2 EN 15534 - 4: 2014 Section 4.5.5.2	Swelling 0.78% in Thickness 0.07% in Width 0.12% in Length Water Absorption: 1.66%
Swelling and Water Absorption (24 Hours Immersion)	EN 15534 - 1: 2014 Section 8.3.2 EN 15534 - 4: 2014 Section 4.5.5.2	Swelling 0.06% in Thickness 0.03% in Width 0.03% in Length Water Absorption: 0.49%
Boiling Test	Water absorption in weight:  EN 15534 - 1	1.10%
Pb, content	Lead (Pb)	result (mg/kg) Not Detected
Linear thermal expansion	EN 15534-1 : 2014 Section 9.2 EN 15534-4 : Section 4.5.6	$34.0 \times 10^{-6} / K^{-1}$
Formaldehyde	EN 717-1	Not detected
Mould Resistance	ASTM G21	Rating 0

**\*Note: Please consult local building regulations before planning or commencing installation\***

## CARE & MAINTENANCE

Please refer to the **Cladding care and Maintenance guidelines at [www.wrg.ie](http://www.wrg.ie) for full care guidelines for your Cladding.**

General Cleaning: Keep it clean and your Whiteriver Composite Cladding will reward you with years of low maintenance pleasure. Periodic cleaning of Whiteriver Composite Cladding is suggested, even if it appears clean, as it is important to prevent the build-up of pollen / debris that can cause mould. If unsure about the product being used to clean / remove stains, it is recommended that you test a small area in an inconspicuous place to determine if the product will cause any unwanted discolouration. Below is a more detailed instructions for taking care of your Cladding.

### DIRT, GRIME AND DEBRIS

Whiteriver recommend cleaning on a regular basis in order to remove debris, pollen, and dirt. Surface debris should be sprayed off with a hose. Normally all you need is a soft non-metal brush, warm water and a mild household cleaner such as liquid soap or WOCA Exterior Cleaner. Scrubbing in the direction of the grain is best to remove dirt and debris. Thoroughly rinse off with a garden hose. If there is heavier dirt, you can use a low bar pressure washer with wide fan tips at a safe distance using a maximum pressure of 1500psi at a minimum distance of 300mm (12"). Always wash in the direction of the grain along the length of the board.

### MOULD, MILDEW, ALGAE ETC

Mould and mildew are very common and occurs periodically in everyday environments. Therefore, surface mould and mildew can appear on the surface if decaying organic materials such as, but not limited to, wood, leaf and pollen are present along with elevated temperatures, air and water. Therefore, we can only minimise the occurrence by removing these decaying organic materials as quick as possible. If mould and mildew are present use warm soapy water or WOCA Exterior Cleaner and a soft non-metal scrub brush to clean. It will help avoid staining and minimise the growth of mould and mildew.

## INSTALLATION & WARRANTY

All Whiteriver Cladding must be installed by a professional installer who has the necessary skills and will take each site circumstance into consideration. Our warranty is only valid on products which have been installed as per our installation instructions. (Available on [www.wrg.ie](http://www.wrg.ie))



*The grading image used in this datasheet is intended only as a guide of what the final product may look like. No rights can be taken from it. This technical data sheet was developed by Whiteriver Group, Cluide, Dunleer, Co Louth, Ireland, v. 3/22. At the time of issuing this datasheet, all information is correctly stated. The company reserves the right to update or amend the specifications of this product at any time without prior notice to third parties.*

## ULTRASHIELD CONTEMPORARY CLADDING ACCESSORIES

Ultrashield Walnut Fascia Board			
		<b>Size</b>	180 x 15 x 3600mm
		<b>Code</b>	K1410063
		<b>Info</b>	Predrill with counter sunk hole & use colour match screws
Ultrashield Walnut Edge Trim - Contemporary Cladding			
		<b>Size</b>	90 x 54 x 3000mm
		<b>Code</b>	K1642011
		<b>Info</b>	UH59 Profile
Ultrashield Walnut Joiner Trim - Contemporary Cladding			
		<b>Size</b>	100 x 35 x 3000mm
		<b>Code</b>	K1642021
		<b>Info</b>	UH70 Profile
Ultrashield Walnut External Corner Trim - Contemporary Cladding			
		<b>Size</b>	145 x 112.5 x 3000mm
		<b>Code</b>	K1642016
		<b>Info</b>	UH60 Profile
Ultrashield Cladding Starter Rail			
		<b>Size</b>	14.5 x 16.7 x 3000mm
		<b>Code</b>	K1650001
		<b>Info</b>	Used for installation of 1st row in horizontal direction
Ultrashield Cladding Installation Clips and Screws (Pack)			
		<b>Size</b>	50 Clips per pack - Coverage 3.3m <sup>2</sup>
		<b>Code</b>	K1650006
		<b>Info</b>	Approx. 11 clips per m <sup>2</sup>
Ultrashield Cladding Rubber Stops and Screws (Pack)			
		<b>Size</b>	10 Per Bag
		<b>Code</b>	K1650011
		<b>Info</b>	Used on final row to ensure boards are kept flush
Ultrashield Walnut Head Screws 51 mm (Pack)			
		<b>Size</b>	100 Per Pack
		<b>Code</b>	K1410050
		<b>Info</b>	Pre-drill with counter sunk hole